




## Product information Compact OpenRail unmanaged Fast Ethernet switch - RS20-1600L2L2SDAUHH

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:Configurable Unmanaged Switches:Fast Ethernet switches:Compact OpenRail unmanaged Fast Ethernet switch

<http://e-catalog.hirschmann.com/link/57078-24455-49855-50104-80728-329755/en/RS20-1600L2L2SDAUHH/uistate>

<b>Name</b>	Compact OpenRail unmanaged Fast Ethernet switch
	
	16 port Fast-Ethernet-Switch, unmanaged, for DIN rail store-and-forward-switching, fanless design
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	16 port Fast-Ethernet-Switch, unmanaged, for DIN rail store-and-forward-switching, fanless design
<b>Port type and quantity</b>	16 ports in total; 1. uplink: 100BASE-FX, LHSM-SC; 2. uplink: 100BASE-FX, LHSM-SC; 14 x standard 10/100 BASE TX, RJ45
<b>Type</b>	RS20-1600L2L2SDAUHH
<b>Order No.</b>	943 434-057
<b>More Interfaces</b>	
<b>Power supply/signaling contact</b>	1 x plug-in terminal block, 6-pin
<b>Network size - length of cable</b>	
<b>Single mode fiber (LH) 9/125 µm (long haul transceiver)</b>	24 - 86,6 km, 7 - 29 dB link budget at 1550 nm, A = 0,3 dB/km, 3 dB reserve, D = 19 ps/(nm x km)
<b>Network size - cascadiability</b>	
<b>Line - / star topology</b>	Any
<b>Power requirements</b>	
<b>Operating voltage</b>	12/24/48 V DC (9,6-60) V and 24 V AC (18-30) V (redundant)
<b>Current consumption at 24 V DC</b>	492
<b>Current consumption at 48 V DC</b>	246
<b>Power output in Btu (IT) h</b>	40.3
<b>Ambient conditions</b>	
<b>Operating temperature</b>	0 °C ... 60 °C
<b>Storage/transport temperature</b>	-40 °C ... 70 °C
<b>Relative humidity (non-condensing)</b>	10 % ... 95 %
<b>MTBF</b>	30.9 years (MIL-HDBK-217F)
<b>Protective paint on PCB</b>	No
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	110 mm x 131 mm x 111 mm
<b>Mounting</b>	DIN Rail
<b>Weight</b>	600 g
<b>Protection class</b>	IP20
<b>Mechanical stability</b>	
<b>IEC 60068-2-27 shock</b>	15 g, 11 ms duration, 18 shocks
<b>IEC 60068-2-6 vibration</b>	1 mm, 2 Hz - 13.2 Hz, 90 min.; 0.7g, 13.2 Hz - 100 Hz, 90 min.; 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
<b>EMC interference immunity</b>	
<b>EN 61000-4-2 electrostatic discharge (ESD)</b>	6 kV contact discharge, 8kV air discharge
<b>EN 61000-4-3 electromagnetic field</b>	10 V/m (80 - 1000 MHz)
<b>EN 61000-4-4 fast transients (burst)</b>	2 kV power line, 1 kV data line
<b>EN 61000-4-5 surge voltage</b>	power line: 2kV (line/earth), 1kV (line/line), 1kV data line
<b>EN 61000-4-6 conducted immunity</b>	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
<b>EMC emitted immunity</b>	
<b>FCC CFR47 Part 15</b>	FCC CFR47 Part 15
<b>EN 55022</b>	EN 55022 Class A



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**Approvals**

<b>Safety of industrial control equipment</b>	cUL 508
<b>Hazardous locations</b>	cUL 1604 Class1 Div 2
<b>Germanischer Lloyd</b>	-
<b>Railway norm</b>	-
<b>Substation</b>	-

**Scope of delivery and accessories**

<b>Scope of delivery</b>	Device, terminal block, operating manual
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